

Untitled

ALIGNMENT WITH SEQ ID NO: 2

ABN99362

ID ABN99362 standard; DNA; 1959 BP.

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AC ABN99362;

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DT 08- AUG- 2002 (first entry)

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DE Human secreted protein (SECP) coding sequence 3.

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KW Human; secreted protein; SECP; SECP expression; gene therapy;
KW protein therapy; immune system disorders; AIDS; thymic hypoplasia;
KW anaemia; asthma; Crohn's disease; neurological disorder; epilepsy;
KW Huntington's disease; dementia; Parkinson's disease; Down's syndrome;
KW developmental disorder; cell proliferative disorder; cancer; ds; gene.

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OS Homo sapiens.

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PN WO200226982- A2.

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PD 04- APR- 2002.

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PF 25- SEP- 2001; 2001WO- US030042.

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PR 29- SEP- 2000; 2000US- 0236869P.

PR 11- OCT- 2000; 2000US- 0239812P.

PR 12- OCT- 2000; 2000US- 0240108P.

PR 17- OCT- 2000; 2000US- 0241282P.

PR 20- OCT- 2000; 2000US- 0242218P.

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PA (INCY-) INCYTE GENOMICS INC.

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PI Yue H, Tang YT, Nguyen DB, Yao MG, Xu Y, Tribouley CM,
PI Sanjanwal MS, Valia NK, Baughn MR, Sapperstein SK, Lal P;
PI Thornton M, Gandhi AR, Rankumar J, Elliott VS, Arvizu C;
PI Thangavelu K, Getzen KJ, Ding L, Au-Young J, Tran B, Policky JL;
PI Lee S, Lu DAM, Burford N, Warren BA, Gururajan R, Duggan BM,
PI Honchell CD, Hafalia AJA;

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DR WPI; 2002- 394239/ 42.

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P- PSDB; ABP43479.

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PT New human secreted proteins, useful for diagnosing, treating or
PT preventing immune system disorders (e.g. Crohn's disease), neurological
PT disorders (e.g. Parkinson's disease), or cell proliferative disorders
PT (e.g. cancers).

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PS Claim 5; Page 197; 238pp; English.

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CC The invention comprises the amino acid and coding sequences of human
CC secreted proteins (SECP). The SECP DNA and amino acid sequences of the
CC invention are useful for treating/preventing disorders associated with
CC decreased or elevated expression of SECP. The SECP DNA and protein
CC sequences are specifically useful for treating/preventing (i.e. gene
CC therapy and protein therapy): immune system disorders (e.g. AIDS, thymic
CC hypoplasia, anaemia, asthma or Crohn's disease); neurological disorders
CC (e.g. epilepsy, Huntington's disease, dementia or Parkinson's disease);
CC developmental disorders (e.g. Down's syndrome); and cell proliferative
CC disorders (e.g. cancer). The nucleotides ABN99360 - ABN99428 encode the
CC human secreted proteins (SECP) of the invention

Untitled

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SQ Sequence 1959 BP; 346 A; 687 C; 605 G; 321 T; 0 U; 0 Other;

Query Match 98.0% Score 1913.8; DB 6; Length 1959;
 Best Local Similarity 99.9% Pred. No. 0;
 Matches 1915; Conservative 0; M smatches 2; Indels 0; Gaps 0;

Qy	36	GGGCGGCTGGGCGTGCGCTCGCTCCCCGAAGCGGGGGCTGGGCGGAGCGGGGAGGGC	95
Db	1	GGGCGGCTGGGCGTGCGCTCGCTCCCCGAAGCGGGGGCTGGGCGGAGCGGGGAGGGC	60
Qy	96	TGGGAGCTGGGCGGGTCCGGGGACAGCGGGGAGGGGCAGCTGCGGAGCGGGGAGGC	155
Db	61	TGGGAGCTGGGCGGGTCCGGGGACAGCGGGGAGGGGCAGCTGCGGAGCGGGGAGGC	120
Qy	156	AGGCGGCTCAGGGCAGGGGACAGCTGGCGCGGTCTCTGGGTCTCCGGGGCCAGATGTG	215
Db	121	AGGCGGCTCAGGGCAGGGGACAGCTGGCGCGGTCTCTGGGTCTCCGGGGCCAGATGTG	180
Qy	216	AGGCGGGGGCGCCCCGGCGCGAGAGCGCAAGATGGGGGCCCCGCTCGCGTAGCGCTGG	275
Db	181	AGGCGGGGGCGCCCCGGCGCGAGAGCGCAAGATGGGGGCCCCGCTCGCGTAGCGCTGG	240
Qy	276	GCGCGCTCCACTACCTGGCACTTTTCTGCAACTCGGCGGGCGCAAGCGGGCGCGCGGC	335
Db	241	GCGCGCTCCACTACCTGGCACTTTTCTGCAACTCGGCGGGCGCAAGCGGGCGCGCGGC	300
Qy	336	ACGCGCGCTGGGACAAACAGTCTCCGGCGCAAGCGCTGTTACAGAGACACCCCATGACA	395
Db	301	ACGCGCGCTGGGACAAACAGTCTCCGGCGCAAGCGCTGTTACAGAGACACCCCATGACA	360
Qy	396	TGACAGCACGGACGGGCGAGGAGTGGAGATGGCTGCTCCTTCCGGGGCAGGGCTCC	455
Db	361	TGACAGCACGGACGGGCGAGGAGTGGAGATGGCTGCTCCTTCCGGGGCAGGGCTCC	420
Qy	456	CCTCCTACTCGCTGGAGATCCAGTGGTGGTATGTACGGAGCCACGGGACTGGACGACA	515
Db	421	CCTCCTACTCGCTGGAGATCCAGTGGTGGTATGTACGGAGCCACGGGACTGGACGACA	480
Qy	516	AGCAGGCGTGGGCTCGAACAGCTAAAAGCATCTCAGCAGGAAGACGAGGGAAGGAGG	575
Db	481	AGCAGGCGTGGGCTCGAACAGCTAAAAGCATCTCAGCAGGAAGACGAGGGAAGGAGG	540
Qy	576	CAACCAAAATAAGTGTGGTCAAGGTGGTGGGCAGCAACATCTCCACAAGCTGCGCTGT	635
Db	541	CAACCAAAATAAGTGTGGTCAAGGTGGTGGGCAGCAACATCTCCACAAGCTGCGCTGT	600
Qy	636	CCCGGGTGAAGCCACGGAAGAAGGCACTACGAGTGGCGGTCTCGACTTCAGCGACG	695
Db	601	CCCGGGTGAAGCCACGGAAGAAGGCACTACGAGTGGCGGTCTCGACTTCAGCGACG	660
Qy	696	GCAAGGCGCGGCAACACAAGGTCAAGGCTACCTGGGGTGCAGCCAGGGGAGAACTCCG	755
Db	661	GCAAGGCGCGGCAACACAAGGTCAAGGCTACCTGGGGTGCAGCCAGGGGAGAACTCCG	720
Qy	756	TCCTGCATCTGCGGAAGCGCTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	815
Db	721	TCCTGCATCTGCGGAAGCGCTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	780
Qy	816	AGGAGCTGAGGAAGCGCTCGGTGGACCAGGAGGCTGCAGCTCTAGACTGATGCGCTG	875
Db	781	AGGAGCTGAGGAAGCGCTCGGTGGACCAGGAGGCTGCAGCTCTAGACTGATGCGCTG	840

Untitled

Qy 876 CCCCCGCCCCATCCGCCCCACGCTGTACAGAGTGCATGAGGAGCGCGCGGACCAACGGGG 935
 Db 841 CCCCCGCCCCATCCGCCCCACGCTGTACAGAGTGCATGAGGAGCGCGCGGACCAACGGGG 900
 Qy 936 AOCGACTGCTGCGTCCAGCGCGCCCCATCCCCGAGGCGCGCTGTGGCACCATGTGG 995
 Db 901 AOCGACTGCTGCGTCCAGCGGTGCCCCATCCCCGAGGCGCGCTGTGGCACCATGTGG 960
 Qy 996 CCGCTCTTTCCACCAACCGCTTGTCTCAGCATGTAAAGCCCCAACCAACCGCTTTCAGAC 1055
 Db 961 CCGCTCTTTCCACCAACCGCTTGTCTCAGCATGTAAAGCCCCAACCAACCGCTTTCAGAC 1020
 Qy 1056 CCGTGCGGTGAOCCTGGCTCGGAGAAGGTGGCGCTGGGCACCAAGGGGGCAACCGCGCTGA 1115
 Db 1021 CCGTGCGGTGAOCCTGGCTCGGAGAAGGTGGCGCTGGGCACCAAGGGGGCAACCGCGCTGA 1080
 Qy 1116 ACACTGGGGCAGGGAACCATGCTGGGGCGCGGGGCAACCGCTTCTGTCAACAGCTTCTG 1175
 Db 1081 ACACTGGGGCAGGGAACCATGCTGGGGCGCGGGGCAACCGCTTCTGTCAACAGCTTCTG 1140
 Qy 1176 TGGAGTCCAGTGTCTTTGCTTTGCTTGCTTGCTTGTCCCCATCCTGTCTGAGCGGGGGCCCC 1235
 Db 1141 TGGAGTCCAGTGTCTTTGCTTTGCTTGCTTGCTTGTCCCCATCCTGTCTGAGCGGGGGCCCC 1200
 Qy 1236 CAGCCTCGCCTCCCTCCTCCTACCATCCCTCACTTGGACCTGGGGGTGTGGACAGTGACC 1295
 Db 1201 CAGCCTCGCCTCCCTCCTCCTACCATCCCTCACTTGGACCTGGGGGTGTGGACAGTGACC 1260
 Qy 1296 CCTCCTGAATATGGACTTGAATCTTCTGAGCAGAACTAGGGCCTCTCCCTGGTGAAGA 1355
 Db 1261 CCTCCTGAATATGGACTTGAATCTTCTGAGCAGAACTAGGGCCTCTCCCTGGTGAAGA 1320
 Qy 1356 CCCAGGGAACCCAGGAGGGCGCTTCTGGGCGAGTGGCTCTGCAGGGTCACTCATGGAGGC 1415
 Db 1321 CCCAGGGAACCCAGGAGGGCGCTTCTGGGCGAGTGGCTCTGCAGGGTCACTCATGGAGGC 1380
 Qy 1416 CTAGGGGAACAGCGAGATGCCCCACCACTCCTGGCGAGTCTTCTGTTCAGCTCCCTG 1475
 Db 1381 CTAGGGGAACAGCGAGATGCCCCACCACTCCTGGCGAGTCTTCTGTTCAGCTCCCTG 1440
 Qy 1476 TCGACCCCTCCAGGGATGCAGGGGATCCAGGATTCTCTGCGCTGTACACGGCGAGTCAG 1535
 Db 1441 TCGACCCCTCCAGGGATGCAGGGGATCCAGGATTCTCTGCGCTGTACACGGCGAGTCAG 1500
 Qy 1536 AAGGGAGGGGCGCTTTCCCTCGGACCCATGGCCCCAGGCAGAGTTTTGCACCAGCAGGACC 1595
 Db 1501 AAGGGAGGGGCGCTTTCCCTCGGACCCATGGCCCCAGGCAGAGTTTTGCACCAGCAGGACC 1560
 Qy 1596 CCTTTGAGGGCCTTCAAGGCTCTCCAGGAGTCCCCCTCTGCGGGCCCCCAATGCCCCA 1655
 Db 1561 CCTTTGAGGGCCTTCAAGGCTCTCCAGGAGTCCCCCTCTGCGGGCCCCCAATGCCCCA 1620
 Qy 1656 GCTCCTCTTGGGTCTGTGCCAAGTCCGCCCCAGGGCCTGGGGCTGTTGGGAGCCAAGG 1715
 Db 1621 GCTCCTCTTGGGTCTGTGCCAAGTCCGCCCCAGGGCCTGGGGCTGTTGGGAGCCAAGG 1680
 Qy 1716 GCCCCCTGGTACTCAGTTCCCTCAGGATTCCCGATCACGGGCACACCTGCCCCCTGGTTA 1775
 Db 1681 GCCCCCTGGTACTCAGTTCCCTCAGGATTCCCGATCACGGGCACACCTGCCCCCTGGTTA 1740
 Qy 1776 TTTGTAAATATTTCTATTGGAOCCAATTCTCCTCGGAATTGGCTGGCAOCTCTGGTTGOC 1835
 Db 1741 TTTGTAAATATTTCTATTGGAOCCAATTCTCCTCGGAATTGGCTGGCAOCTCTGGTTGOC 1800

Untitled

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Qy      1836 ACAGCTCAGTGATGACGTGGGGGAGGTGGGAGAGGCGAGGGCTTTGCGTACGGGGTGGGT 1895
          |||
Db      1801 ACAGCTCAGTGATGACGTGGGGGAGGTGGGAGAGGCGAGGGCTTTGCGTACGGGGTGGGT 1860
          |||
Qy      1896 TGGCGTGTATACATGATCCAGTCTGTGACTACCAGCCAACTGAATAAAGCGGTTTT 1952
          |||
Db      1861 TGGCGTGTATACATGATCCAGTCTGTGACTACCAGCCAACTGAATAAAGCGGTTTT 1917
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ALIGNMENT WITH SEQ ID NO: 66

ABP43479

ID ABP43479 standard; protein; 204 AA.

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AC ABP43479;

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DT 15-JUN-2007 (revised)

DT 08-AUG-2002 (first entry)

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DE Human secreted protein (SCEP) 3.

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KW Human; secreted protein; SECP; SECP expression; gene therapy;

KW protein therapy; immune system disorders; AIDS; thymic hypoplasia;

KW anaemia; asthma; Crohn's disease; neurological disorder; epilepsy;

KW Huntington's disease; dementia; Parkinson's disease; Down's syndrome;

KW developmental disorder; cell proliferative disorder; cancer; BCND_PC;

KW chromosome 20 open reading frame 102;

KW chromosome 20 open reading frame 102 [Homo sapiens]; C2orf102;

KW dJ1118M15.2; hypothetical protein LOC128434;

KW hypothetical protein LOC128434 [Homo sapiens];

KW chromosome 20 open reading frame 102, isoform CRA_a;

KW chromosome 20 open reading frame 102, isoform CRA_a [Homo sapiens];

KW hypothetical protein; hypothetical protein [Homo sapiens];

KW unnamed protein product; unnamed protein product [Homo sapiens]; GO4872;

KW GO7166.

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OS Homo sapiens.

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PN W0200226982-A2.

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PD 04-APR-2002.

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PF 25-SEP-2001; 2001W0-US030042.

XX

PR 29-SEP-2000; 2000US-0236869P.

PR 11-OCT-2000; 2000US-0239812P.

PR 12-OCT-2000; 2000US-0240108P.

PR 17-OCT-2000; 2000US-0241282P.

PR 20-OCT-2000; 2000US-0242218P.

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PI Thangavelu K, Getzen KJ, Ding L, Au-Young J, Tran B, Policky JL;

PI Lee S, Lu DAM, Burford N, Warren BA, Gururajan R, Duggan BM;

PI Honchelli CD, Hafalia AJA;

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DR WPI; 2002-394239/42.

DR N-PSDB; ABN99362.

Untitled

DR PC: NCBI ; gi 18079321.
DR PC: SW SPROT; Q96N03.

XX
PT New human secreted proteins, useful for diagnosing, treating or
PT preventing immune system disorders (e.g. Crohn's disease), neurological
PT disorders (e.g. Parkinson's disease), or cell proliferative disorders
PT (e.g. cancers).

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PS Claim 1; Page 151-152; 238pp; English.

XX
CC The invention comprises the amino acid and coding sequences of human
CC secreted proteins (SECP). The SECP DNA and amino acid sequences of the
CC invention are useful for treating/preventing disorders associated with
CC decreased or elevated expression of SECP. The SECP DNA and protein
CC sequences are specifically useful for treating/preventing (i.e. gene
CC therapy and protein therapy): immune system disorders (e.g. AIDS, thymic
CC hypoplasia, anaemia, asthma or Crohn's disease); neurological disorders
CC (e.g. epilepsy, Huntington's disease, dementia or Parkinson's disease);
CC developmental disorders (e.g. Down's syndrome); and cell proliferative
CC disorders (e.g. cancer). The proteins ABP43477 - ABP43543 represent the
CC human secreted proteins (SECP) of the invention

CC
CC Revised record issued on 15-JUN-2007 : Enhanced with precomputed
CC information from BOND.

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SQ Sequence 204 AA;

Query Match 100.0% Score 1092; DB 5; Length 204;
Best Local Similarity 100.0% Pred. No. 1.7e-92;
Matches 204; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MGAPLAVALGALHYLALFLQLGGATRPAGHAPWDNHVSGHALFTETPHDMTARTGEDVEM	60
Db	1	MGAPLAVALGALHYLALFLQLGGATRPAGHAPWDNHVSGHALFTETPHDMTARTGEDVEM	60
Qy	61	ACSFRRSGSPSYSLEIQWVVRSHRDWTDKQAWASNQLKASQQEDAGKEATKISVVKVVG	120
Db	61	ACSFRRSGSPSYSLEIQWVVRSHRDWTDKQAWASNQLKASQQEDAGKEATKISVVKVVG	120
Qy	121	SNI SHKLRLSRVKPTDEGTIECRVIDFSDGKARHHKVKAYLRVQPGENSVLHLPEAPPAA	180
Db	121	SNI SHKLRLSRVKPTDEGTIECRVIDFSDGKARHHKVKAYLRVQPGENSVLHLPEAPPAA	180
Qy	181	PAPPPPKPGKELRKRSVDQEACSL	204
Db	181	PAPPPPKPGKELRKRSVDQEACSL	204